

Product datasheet for **SC108815**

ADAMTSL4 (NM_019032) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTSL4 (NM_019032) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAMTSL4
Synonyms:	ADAMTSL-4; ECTOL2; TSRC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_019032, the custom clone sequence may differ by one or more nucleotides

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ATGGAGAAGTGGACTGGCAGGCCCTGGCTGTATCTGCTGCTGCTTCTGTCCCTCCCTCAGCTCTGCTTGG
ATCAGGAGGTGTTGTCCGGACACTCTTTCAGACACCTACAGAGGAGGGCCAGGGCCCCGAAGGTGTCTG
GGGACCTTGGGTCCAGTGGGCTCTTGTCTCCAGCCCTGCGGGGTGGGGTGCAGCGCAGGAGCCGGACA
TGTGAGCTCCCTACAGTGCAGCTCCACCCGAGTCTGCCCTCCCTCCCGGCCCAAGACATCCAGAAG
CCCTCCTCCCGGGGCCAGGGTCCCAGACCCAGACTTCTCCAGAAACCCTCCCTTGTACAGGACACA
GTCTCGGGGAAGGGTGGCCACTTCGAGGTCCCGCTTCCACCTAGGGAGAGAGAGACCCAGGAGATT
CGAGCGGCCAGGAGTCCCGCTTCGAGACCCATCAAGCCAGGAATGTTTCGGTTATGGGAGAGTGCCT
TTGCATTGCCACTGCACCGAACCAGCAGGACCCCTCGGAGCCACCCAGATCTGAGCTGTCCCTGATCTC
TTCTAGAGGGGAAGAGGCTATCCGTCCTTACTCCAAGAGCAGAGCCATTCTCCGAAACGGCAGCCCC
CAAAGTGAAGTCCCTCCACAGAACTGTCTGTCCACACCCATCCCCCAAGCAGAACCTTAAGCCCTG
AAACTGCTCAGACAGAGGTGGCCCCAGAACAGGCTGCCCCCTACGGCATCACCCAGAGCCAGGC
CTCTGGCACAGAGCCCCCTCACCCAGCACTCCTTAGGAGAAGGTGGCTTCTTCCGTGCATCCCCTCAG
CCACGAAGGCCAAGTCCAGGGTGGGCCAGTCCCAGGTAGCAGGGAGACGCCCTGATCCTTTTCCT
CGGTCCCTCGGGCCGAGGCCAGCAGGGCCAAGGGCTTGGGGAACGGGGGGACTCCTCAGGGCCCCG
CCTGGAGCTGACCTCAGCACCCGGGCGCTGGCTGCCCTGCTGAGCAACGGCCCCATGCCAGCTCC
CTCTGGAGCCTTTTGTCCAGTAGCCCTATTCCAAGATGTTCTGGGGAGAGTGAACAGCTAAGAGCCT
GCAGCCAAGCGCCTGCCCCCTGAGCAGCCAGACCCCGGGCCCTGCAGTGCAGCCTTTAACTCCCA
GGAATTATGGGCCAGCTGTATCAGTGGGAGCCCTTCACTGAAGTCCAGGGCTCCAGCGCTGTGAAGT
AACTGCCGGCCCCGTGGCTTCCGCTTCTATGTCGTCACACTGAAAAGGTCCAGGATGGGACCTGTGTC
AGCCTGGAGCCCCCTGACATCTGTGTGGCTGGACGCTGTCTGAGCCCCGGCTGTGATGGGATCCTGGCTC
TGGCAGGCTCCTGATGGCTGTGGAGTCTGTGGGGGTGATGATTCTACCTGTGCCTTGTTCGGGGAAC
CTACTGACCGAGGGGGCCCCCTGGGCTATCAGAAGATCTGTGGATTCCAGCGGAGCCTTGGGCTCC
AGATTGCCAGCTCCGGCTAGCTCCAACCTACCTGGCACTTCGTGCCCTGGGGCCGGTCCATCATCAA

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TGGAACTGGGCTGTGGATCCCCCTGGGTCTACAGGGCCGGCGGGACCGTCTTTTCGATATAACCGTCT
 CCCAGGGAGGAGGGCAAAGGGGAGAGTCTGTCCGCTGAAGGCCACCACCCAGCCTGTGGATGTCTATA
 TGATCTTTTCAGGAGGAAAACCCAGGCGTTTTTATCAGTATGTCATCTCTTACCTCCTCCAATCCTTGA
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 CCGGCACCCCGCCAGCCCGGACCCAGGCACCTCCAGCGTCAGGTGCGGATCCCCAGATGCCCGCC
 CGCCCCATCCCAGGACACCCCTGGGTCTCCAGCTGCGTACTGAAACGAGTGGGACACTCTGCATGCTC
 AGCGTCTGCGGAAAGGTGTCTGGGCCCCATTTTCTCTGCATCTCCCGTGAGTCGGGAGGAACTG
 GATGAACGCAGCTGTGCCGCGGGTGCCAGGCCCCAGCCTCCCCTGAACCCTGCCACGGCACCCCATGCC
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 GCTGCAGTGCCGGCAGGAATTTGGGGGGGTGGCTCCTCGGTGCCCGGAGCGCTGTGGACATCTCCCC
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 AGTGAGCGAGCAGGAGTGTGCGTCAGGCCCCCGCAGCCCCCAGCAGAGAGGCCGTGCATGGGGCC
 TGTACTACTGCCTGGTTCCACAGCGACTGGAGCTCCAAGTCTCAGCCGAGTGTGGACGGGAATCCAGC
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 TCAGCACCCGATGCCCTCCTCAACTGCGGCCCTCCAGGAAGCGCCCTGTAAACAGCAACCCTGCAGCCA
 GCGCCCTGATGATCAATGCAAGGACAGCTCTCCACATTGCCCTGGTGGTACAGGCCGGCTCTGCGTC
 TACCCCTACTACACAGCCACCTGTTGCCGCTCTTGGCACATGTCTGGAGCGGTCTCCCAGGATCCCT
 CCTGA

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_019032 unedited
 NNGGTTTCAGATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACCGGTGGATTCC
 AGCGGGAGCCTTGCGGCTCCAGATTGCCAGCTCCGGCTAGCTCCAACCTACCTGGCACT
 TCGTGGCCCTGGGGCCGGTCCATCATCAATGGGAAGTGGGCTGTGGATCCCCCTGGGTCT
 CTACAGGGCCGGCGGACCGTCTTTTCGATATAACCGTCTCCCAGGGAGGAGGGCAAAGG
 GGAGAGTCTGTCCGCTGAAGGCCACCACCCAGCCTGTGGATGTCTATATGATCTTTCA
 GGAGGAAAACCCAGGCGTTTTTATCAGTATGTCATCTCTTACCTCCTCCAATCCTTGA
 GAACCCACCCAGAGCCCCCTGTCCCCAGCTTCAGCCGGAGATTCTGAGGGTGGAGCC
 CCCACTTGCTCCGGCACCCCGCCAGCCCGGACCCAGGCACCTCCAGCGTCAGGTGCG
 GATCCCCAGATGCCCGCCCGCCATCCCAGGACACCCCTGGGGTCTCCAGCTGCGTA
 CTGAAACGAGTGGGACACTCTGCATGCTCAGCGTCTGCGGAAAGGTGTCTGGCGCC
 CATTTTCTCTGCATCTCCCGTGAGTCGGGAGAGGAACTGGATGAACGCAGCTGTCCCGC
 GGGTGCCAGGCCCCAGCCTCCCCTGAACCCTGCCACGGCACCCATGCCNCCATACTG
 NGAGGCTGGCGAGTGGACATCTGCAGCCGCTCCTGTGGCCCCGGCACCCAGCACCGCCA
 GCTGCAGTGCCGGCAGGAATTTGGGGGGGGTGGCTNNCCTCGTGCCCCGNAGCGCTG
 TTNACATCTNCCCAGCCCAACATCACCCAGTCTTGCCAGCTGCGCCTCTGTGGCCATTG
 GNGAAGNNTGCTCTCCTTGGAGCCGTGCTCCGTGCGGTGCGGCCGGCCANAGAAC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_019032 unedited GAACTCACCAATATGTACCGCGCCGCTTTCTANGATCGGTTTTTTTTTTTTTTTTTTCT CTTTTGTCATGACCATCTTTAATAAAAAATAATTATTTCTGGGTGGGAACCATTCAGGA GGCAGGGAGTGGGGCTAGGGGCTGGGCGGGGTGGTGGGGAGCGGATGCTCACATTTCTC TTTTTACCCTCTGCCAGCTGGGCCTTGCTCTGGAGAGGCAGTCTTTTCTCCTGCCT TCCTGAGTAAGGCAGGATTGGCAGTGGCTGACCCAGCCCTAGCTAATTAGGGAGGCAGG GGCAGATACTAGGCAAATGAGAAGGGTCCAGAGACACAGGGCGGCTTACAAGATGTGA GGTCTGAACATGAGAAATGAGGCTTATGGCACAAAAGTGGAGTTGGTGGGAGACCACAC TCTAAGTAGCTCAAATTAGCAAGGAACTGCAGACTTGCTTTCTTTCCACCTAGGAAAGT CTCAAGGAAACAGGTCTTGTCTTCTCACTCTGTGTAACCTTTTTGAAAAGTGATACA CGTTTGAGCACACACATATCCATGCAGTCCAAAAGCACACCTGAGGCATATGTGCACAC ACCCATCACACCACATGGGCCTGACCACAGCCCTGAAAGTCACTTTGTGTCAGTCAC CTTGCCACCTCTGTACCTGGAGGACATCCCTGCTGATACTGGGACAGGCTGGACAGCC AGGGGTTTCAGACTGGGCCGATCAATGGGTGACCGATGGTGGCACAGAAAACCGTGAAGG TGCCCCGACCCCTTTTCATGAGGATCCTGGGGAGACCGCTCCAAGACATGTGCGCAAGA TCGGCAACAGGTGGC
Restriction Sites:	NotI-NotI
ACCN:	NM_019032
Insert Size:	2750 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_019032.1 , NP_061905.1
RefSeq Size:	4262 bp
RefSeq ORF:	1275 bp
Locus ID:	54507
UniProt ID:	Q6UY14
Cytogenetics:	1q21.2
Domains:	tsp_1
Protein Families:	Secreted Protein

Gene Summary:

This gene is a member of ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs)-like gene family and encodes a protein with seven thrombospondin type 1 repeats. The thrombospondin type 1 repeat domain is found in many proteins with diverse biological functions including cellular adhesion, angiogenesis, and patterning of the developing nervous system. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Sep 2014]

Transcript Variant: This variant (1) lacks an in-frame exon in the central coding region, compared to variant 4. The encoded isoform (1) is shorter, compared to isoform 4.